



The Model 718 power supply is a highly regulated DC power source intended for spectroscopy and other applications. It is capable of powering tungsten-halogen, ceramic and glowbar infrared light sources; this supply is flexible and extremely stable. Rated to 250W, exceptional performance is obtained by using a transistor series pass regulator circuit with an additional control circuit, providing <0.05% ripple to the source in use.

An interlock feature is provided on the lamp output and fan connectors. Power supply output can be terminated if user defined external conditions exist, for example, a cover safety switch or disconnected fan cables.

Each power supply can be operated from the front panel controls, or remotely via 0-6V analog input. A front panel Local/Remote switch allows users to select mode.

Separate connectors on rear of unit for Fan, Lamp (plus Interlock,) and Remote input.

Model 718 DC Power Supply

- Highly regulated DC power supply
- less than 0.05% ripple
- Available for 22, 100 and 250Watt sources
- Precision 10-turn potentiometer adjustment
- Analog input for remote control

Specifications	
Output Voltage	0 - 25 VDC
Output Current	12 Amps max
Power	250W
Ripple (RMS)	<0.05%
Drift	<0.2%
AC Input	100/120/220/240VAC
Frequency	50/60Hz
Voltage Display	3-1/2 Digit LED
Voltage Control	10-turn potentiometer w/ lock
Remote Input	0 - 6 VDC for full scale ($V_{OUT} = 4 \times V_{IN}$)
AC Input Fuse	5A/120VAC or 2.5A/240VAC
Fan Output	24VDC
Front Panel Controls	Power, Voltage, Local/Remote
Rear Panel Connectors	Lamp, Fan, Remote Input, Power
Dimensions	5.5 x 8.37 x 12 Inches
Weight	22.5 lbs/10.2 kg

Part No.	Description
8105-0089-0	Model 718 Stable DC Power Supply 100/120/220/240 VAC, 50/60Hz

Model 718 power supplies complete with U.S. AC power cord and cables fitting Model 621 lamp housing. Fan cable not required for infrared sources.

Special cables are available for use with Model 618 100W Tungsten-Halogen source.

Please inquire for specifications describing power supplies for Xenon / Mercury and Deuterium lamps too.